ELSEVIER

Journal of Non-Crystalline Solids 289 (2001) 233–235

JOURNAL OF NON-CRYSTALLINE SOLIDS

www.elsevier.com/locate/jnoncrysol

Author Index

Advocat, T., see Linard, Y. 289 (2001) 135
Alié, C., F. Ferauche, R. Pirard, A.J. Lecloux and J.-P. Pirard, Preparation of low-density xerogels by incorporation of additives during synthesis 289 (2001) 88
Antonov, V.E., see Kolyubakin, A.I. 289 (2001) 30
Arey, B.W., see Izak, P. 289 (2001) 17
Arrasmith, S.R., see Marino, A.E. 289 (2001) 37
Arribére, M.A., see Prado, M.O. 289 (2001) 175

Baney, R.H., see He, L. 289 (2001) 97
Baricco, M., E. Chierici, L. Battezzati, M. Braglia, G. Dai, J. Kraus and S. Mosso, Nucleation and growth of crystals in a ZBLYALiPb glass 289 (2001) 144
Barkalov, O.I., see Kolyubakin, A.I. 289 (2001) 30
Baró, M.D., see Gich, M. 289 (2001) 214
Battezzati, L., see Baricco, M. 289 (2001) 144
Benino, Y., see Sato, R. 289 (2001) 228
Bernatz, K.M., I. Echeverría, S.L. Simon and D.J. Plazek, Viscoelastic properties of amorphous boron trioxide 289 (2001) 9
Bevilacqua, A.M., see Prado, M.O. 289 (2001) 175
Braglia, M., see Baricco, M. 289 (2001) 144
Brow, R.K., see Metwalli, E. 289 (2001) 113
Brus, J., F. Kolář, V. Machovič and J. Svítilová, Structure of silicon oxycarbide glasses derived from poly(methylsiloxane) and poly[methyl(phenyl)siloxane] precursors 289 (2001) 62

Cabaret, D., M. Le Grand, A. Ramos, A.-M. Flank, S. Rossano, L. Galoisy, G. Calas and D. Ghaleb, Medium range structure of borosilicate glasses from Si K-edge XANES: a combined approach based on multiple scattering and molecular dynamics calculations 289 (2001) 1
Calas, G., see Cabaret, D. 289 (2001) 1
Carino, S.R., see He, L. 289 (2001) 97
Carl, G., see Moisescu, C. 289 (2001) 123
Chaudhuri, P., see Dutta Gupta, N. 289 (2001) 168
Chen, G., see Marino, A.E. 289 (2001) 37
Chierici, E., see Baricco, M. 289 (2001) 144
Croitoru, N., see Maharizi, M. 289 (2001) 221

Díaz, M., I. Garcia-Cano, S. Mello-Castanho, J.S. Moya and M.A. Rodríguez, Synthesis of nanocrystalline yttrium disilicate powder by a sol–gel method 289 (2001) 151
Dai, G., see Baricco, M. 289 (2001) 144
Day, D.E., see Moguš-Milanković, A. 289 (2001) 204
De Strycker, J., P. Westbroek and E. Temmerman, Development of a platinum rotating disc electrode for dynamic electrochemical measurements in glass melts 289 (2001) 106
Duc, Y., see Marino, A.E. 289 (2001) 37
Duran, R.S., see He, L. 289 (2001) 97
Dutta Gupta, N. and P. Chaudhuri, Effect of oxygen contamination on the properties of the silicon hydrogen alloy materials deposited under conditions near the microcrystalline silicon formation region 289 (2001) 168
Dwivedi, R.N., see Karmakar, B. 289 (2001) 155

Echeverría, I., see Bernatz, K.M. 289 (2001) 9
Edwards, A.H., W.M. Shedd and R.D. Pugh, Theory of H^- in SiO_2 289 (2001) 42
Eisenschmidt, C., see Schmidt, U. 289 (2001) 75

Ferauche, F., see Alié, C. 289 (2001) 88
Flank, A.-M., see Cabaret, D. 289 (2001) 1
Fodor, P.S., see Salim, M.A. 289 (2001) 185
Fujiwara, T., see Sato, R. 289 (2001) 228

Gajović, A., see Moguš-Milanković, A. 289 (2001) 204
Galoisy, L., see Cabaret, D. 289 (2001) 1
Garcia-Cano, I., see Díaz, M. 289 (2001) 151
Geiculescu, A.C. and H.J. Rack, Atomic scale structure of alcohol-based zirconia xerogels by X-ray diffraction 289 (2001) 53
Ghaleb, D., see Cabaret, D. 289 (2001) 1

0022-3093/01/$ - see front matter © 2001 Elsevier Science B.V. All rights reserved.
PII: S0022-3093(01)00845-6

Gich, M., T. Gloriant, S. Suriñach, A.L. Greer and M.D. Baró, Glass forming ability and crystallisation processes within the Al–Ni–Sm system 289 (2001) 214
Gloriant, T., see Gich, M. 289 (2001) 214
Gower, L., see He, L. 289 (2001) 97
Greer, A.L., see Gich, M. 289 (2001) 214
Gregg, L.L., see Marino, A.E. 289 (2001) 37
Gurov, A.F., see Kolyubakin, A.I. 289 (2001) 30

Harkunov, A.I., see Kolyubakin, A.I. 289 (2001) 30
He, L., K. Powers, R.H. Baney, L. Gower, R.S. Duran, P. Sheth and S.R. Carino, Mesoporous TMOS–MTMS copolymer silica gels catalyzed by fluoride 289 (2001) 97
Heerdegen, W.D., see Moisescu, C. 289 (2001) 123
Höche, T., see Moisescu, C. 289 (2001) 123
Hrma, P., see Izak, P. 289 (2001) 17

Inoue, A., see Li, C. 289 (2001) 163
Inoue, A., see Louzguine, D.V. 289 (2001) 196
Izak, P., P. Hrma, B.W. Arey and T.J. Plaisted, Effect of feed melting, temperature history, and minor component addition on spinel crystallization in high-level waste glass 289 (2001) 17

Jacobs, S.D., see Marino, A.E. 289 (2001) 37
Jégou, C., see Linard, Y. 289 (2001) 135

Karmakar, B., P. Kundu and R.N. Dwivedi, IR spectra and their application for evaluating physical properties of fluorophosphate glasses 289 (2001) 155
Keding, R., see Moisescu, C. 289 (2001) 123
Khattak, G.D., see Salim, M.A. 289 (2001) 185
Kolář, F., see Brus, J. 289 (2001) 62
Kolyubakin, A.I., V.E. Antonov, O.I. Barkalov, A.F. Gurov and A.I. Harkunov, Transport properties of bulk amorphous semiconductor $Al_{32}Ge_{68}$ 289 (2001) 30
Komatsu, T., see Sato, R. 289 (2001) 228
Kraus, J., see Baricco, M. 289 (2001) 144
Kundu, P., see Karmakar, B. 289 (2001) 155

Le Grand, M., see Cabaret, D. 289 (2001) 1
Lecloux, A.J., see Alié, C. 289 (2001) 88
Li, C. and A. Inoue, Precipitation of nano-scale icosahedral quasicrystalline phase in amorphous $Hf_{70}Ni_{10}Pd_{20}$ alloy 289 (2001) 163
Linard, Y., T. Advocat, C. Jégou and P. Richet, Thermochemistry of nuclear waste glasses: application to weathering studies 289 (2001) 135
Louzguine, D.V., A. Takeuchi and A. Inoue, Structure and crystallization behavior of Al-free Ge-based amorphous alloys produced by rapid solidification of the melt 289 (2001) 196

Machovič, V., see Brus, J. 289 (2001) 62
Maharizi, M., N. Croitoru and A. Seidman, Study of the influence of Ar on the formation of diamond-like bonds in films obtained from CH_4 + Ar, RF plasma deposition 289 (2001) 221
Marino, A.E., S.R. Arrasmith, L.L. Gregg, S.D. Jacobs, G. Chen and Y. Duc, Durable phosphate glasses with lower transition temperatures 289 (2001) 37
Mello-Castanho, S., see Díaz, M. 289 (2001) 151
Messi, N.B., see Prado, M.O. 289 (2001) 175
Metwalli, E. and R.K. Brow, Modifier effects on the properties and structures of aluminophosphate glasses 289 (2001) 113
Moguš-Milanković, A., A. Gajović, A. Šantić and D.E. Day, Structure of sodium phosphate glasses containing Al_2O_3 and/or Fe_2O_3. Part I 289 (2001) 204
Moisescu, C., T. Höche, G. Carl, R. Keding, C. Rüssel and W.D. Heerdegen, Influence of the Ca/P ratio on the morphology of fluorapatite crystals in SiO_2–Al_2O_3–CaO–P_2O_5–K_2O–F^- glass-ceramics 289 (2001) 123
Mosso, S., see Baricco, M. 289 (2001) 144
Moya, J.S., see Díaz, M. 289 (2001) 151

Pirard, J.-P., see Alié, C. 289 (2001) 88
Pirard, R., see Alié, C. 289 (2001) 88
Plaisted, T.J., see Izak, P. 289 (2001) 17
Plazek, D.J., see Bernatz, K.M. 289 (2001) 9
Plivelic, T.S., see Prado, M.O. 289 (2001) 175
Powers, K., see He, L. 289 (2001) 97
Prado, M.O., N.B. Messi, T.S. Plivelic, I.L. Torriani, A.M. Bevilacqua and M.A. Arribére, The effects of radiation on the density of an aluminoborosilicate glass 289 (2001) 175
Pugh, R.D., see Edwards, A.H. 289 (2001) 42

Rack, H.J., see Geiculescu, A.C. 289 (2001) 53
Ramos, A., see Cabaret, D. 289 (2001) 1
Richet, P., see Linard, Y. 289 (2001) 135
Rodríguez, M.A., see Díaz, M. 289 (2001) 151
Rossano, S., see Cabaret, D. 289 (2001) 1
Rüssel, C., see Moisescu, C. 289 (2001) 123

Salim, M.A., G.D. Khattak, P.S. Fodor and L.E. Wenger, X-ray photoelectron spectroscopy (XPS) and mag-

netization studies of iron–vanadium phosphate glasses 289 (2001) 185
Šantić, A., see Moguš-Milanković, A. 289 (2001) 204
Sato, R., Y. Benino, T. Fujiwara and T. Komatsu, YAG laser-induced crystalline dot patterning in samarium tellurite glasses 289 (2001) 228
Schmidt, U., C. Eisenschmidt, C.Y. Zahra and A.-M. Zahra, New Al-DyNi(Co) glasses – decomposition behaviour 289 (2001) 75
Seidman, A., see Maharizi, M. 289 (2001) 221
Shedd, W.M., see Edwards, A.H. 289 (2001) 42
Sheth, P., see He, L. 289 (2001) 97
Simon, S.L., see Bernatz, K.M. 289 (2001) 9
Suriñach, S., see Gich, M. 289 (2001) 214
Svítilová, J., see Brus, J. 289 (2001) 62

Takeuchi, A., see Louzguine, D.V. 289 (2001) 196
Temmerman, E., see De Strycker, J. 289 (2001) 106
Torriani, I.L., see Prado, M.O. 289 (2001) 175

Wenger, L.E., see Salim, M.A. 289 (2001) 185
Westbroek, P., see De Strycker, J. 289 (2001) 106

Zahra, A.-M., see Schmidt, U. 289 (2001) 75
Zahra, C.Y., see Schmidt, U. 289 (2001) 75

ELSEVIER

Journal of Non-Crystalline Solids 289 (2001) 236–237

JOURNAL OF NON-CRYSTALLINE SOLIDS

www.elsevier.com/locate/jnoncrysol

Subject Index

Ab inito
Hydrogen in Glass, Silica 289 (2001) 42

Amorphous Alloys
Metallic Glasses, Quasicrystals 289 (2001) 163

Amorphous Semiconductors
Transport Properties – Solids 289 (2001) 30

Borates
Structural Relaxation 289 (2001) 9

Borosilicates
Nuclear Waste Immobilization, X-ray Absorption 289 (2001) 1
Phase Separation, Radiation Effects 289 (2001) 175

Carbon
Deposition Techniques, Films 289 (2001) 221

Crystallization
Nuclear Waste Immobilization 289 (2001) 17
Metallic Glasses, Structure 289 (2001) 75
Fluoride Glasses, Nucleation 289 (2001) 123
Fluoride Glasses, Nucleation 289 (2001) 144
Metallic Glasses, Structure 289 (2001) 196
Metallic Glasses 289 (2001) 214

Density
Porosity, Sol–Gel Processes 289 (2001) 88

Deposition Techniques
Carbon, Films 289 (2001) 221

Electrochemical Properties
Melting 289 (2001) 106

Films
Carbon, Deposition Techniques 289 (2001) 221

Fluoride Glasses
Crystallization, Nucleation 289 (2001) 123
Crystallization, Nucleation 289 (2001) 144
Infra-red Absorption 289 (2001) 155

Glass Transition
Phosphates 289 (2001) 37

Hydrogen in Glass
Ab inito, Silica 289 (2001) 42

Infra-red Absorption
Fluoride Glasses 289 (2001) 155
Silicon 289 (2001) 168

Magnetic Properties
Phosphates, XPS 289 (2001) 185

Melting
Electrochemical Properties 289 (2001) 106

Metallic Glasses
Crystallization, Structure 289 (2001) 75
Amorphous Alloys, Quasicrystals 289 (2001) 163
Crystallization, Structure 289 (2001) 196
Crystallization 289 (2001) 214

Nuclear Magnetic Resonance
Silicon Carbide 289 (2001) 62
Phosphates, Structure 289 (2001) 113

Nuclear Waste Immobilization
Borosilicates, X-ray Absorption 289 (2001) 1
Crystallization 289 (2001) 17
Thermal Properties 289 (2001) 135

Nucleation
Crystallization, Fluoride Glasses 289 (2001) 123
Crystallization, Fluoride Glasses 289 (2001) 144

Organic–Inorganic Hybrids
Silica, Sol–Gel Processes 289 (2001) 97

Phase Separation
Borosilicates, Radiation Effects 289 (2001) 175

Phosphates
Glass Transition 289 (2001) 37
Nuclear Magnetic Resonance, Structure 289 (2001) 113

0022-3093/01/$ - see front matter © 2001 Elsevier Science B.V. All rights reserved.
PII: S0022-3093(01)00846-8

Magnetic Properties, XPS 289 (2001) 185
Raman Spectra, Structure 289 (2001) 204

Porosity
Density, Sol–Gel Processes 289 (2001) 88

Quasicrystals
Amorphous Alloys, Metallic Glasses 289 (2001) 163

Radiation Effects
Borosilicates, Phase Separation 289 (2001) 175
Rare Earth Ions, Tellurite Glasses 289 (2001) 228

Raman Spectra
Phosphates, Structure 289 (2001) 204

Rare Earth Ions
Radiation Effects, Tellurite Glasses 289 (2001) 228

Silica
Ab inito, Hydrogen in Glass 289 (2001) 42
Organic–Inorganic Hybrids, Sol–Gel Processes 289 (2001) 97

Silicon
Infra-red Absorption 289 (2001) 168

Silicon Carbide
Nuclear Magnetic Resonance 289 (2001) 62

Sol–Gel Method
289 (2001) 151

Sol–Gel Processes
X-ray Diffraction, Zirconia 289 (2001) 53
Density, Porosity 289 (2001) 88
Organic–Inorganic Hybrids, Silica 289 (2001) 97

Structure
Crystallization, Metallic Glasses 289 (2001) 75
Nuclear Magnetic Resonance, Phosphates 289 (2001) 113
Crystallization, Metallic Glasses 289 (2001) 196
Phosphates, Raman Spectra 289 (2001) 204

Structural Relaxation
Borates 289 (2001) 9

Tellurite Glasses
Radiation Effects, Rare Earth Ions 289 (2001) 228

Thermal Properties
Nuclear Waste Immobilization 289 (2001) 135

Transport Properties – Solids
Amorphous Semiconductors 289 (2001) 30

XPS
Magnetic Properties, Phosphates 289 (2001) 185

X-ray Absorption
Borosilicates, Nuclear Waste Immobilization 289 (2001) 1

X-ray Diffraction
Sol–Gel Processes, Zirconia 289 (2001) 53

Zirconia
Sol–Gel Processes, X-ray Diffraction 289 (2001) 53